

IMPORTANT SAFETY WARNINGS

NOTE: When installing and using this equipment, basic safety precautions should always be taken to reduce the risk of electrical shock, to ensure safe usage, and to safeguard the user's health.

(1) Read and Follow ALL Instructions!!

(2) Ground All Metal and Electrical Equipment!

(3) A green colored terminal or a terminal marked G, GR, Ground, Grounding, or the international symbol*  is located on the side of the supply terminal box or compartment. This terminal must be connected to the grounding means provided in the electric supply service panel, using a continuous copper wire equivalent in size to the circuit conductors supplying this equipment.

**IEC Publication 417, Symbol 5019.*

(4) At least two lugs marked "BONDING LUGS" are provided on the external surface or on the inside of the supply terminal box or compartment. Connect the local common bonding grid (household ground) in the area of the hot tub or spa to these terminals, using an insulated or bare copper conductor not smaller than No. 6 AWG.

(5) All field-installed metal components such as rails, ladders, drains or similar hardware located within 5 ft. of the spa or hot tub shall be bonded to the equipment grounding bus with copper conductors not smaller than No. 6 AWG.

(6) SAVE THESE INSTRUCTIONS.

WARNING: Children should not use spas or hot tubs without adult supervision
and

AVERTISSEMENT: Ne pas laisser les enfants utiliser une cuve de relaxation sans surveillance

WARNING: Do not use spas or hot tubs unless all suction guards are installed to prevent body and hair entrapment

and

AVERTISSEMENT: Pour éviter que les cheveux ou une partie du corps puissent être aspirés, ne pas utiliser une cuve de relaxation si les grilles de prise d'aspiration ne sont pas toutes en place

WARNING: People using medications and/or having an adverse medical history should consult a physician before using a spa or hot tub

and

AVERTISSEMENT: Les personnes qui prennent des médicaments ou ont des problèmes de santé devraient consulter un médecin avant d'utiliser une cuve de relaxation

WARNING: People with infectious diseases should not use a spa or hot tub

and

AVERTISSEMENT: Les personnes atteintes de maladies infectieuses ne devraient pas utiliser une cuve de relaxation

WARNING: To avoid injury exercise care when entering or exiting the spa or hot tub

and

AVERTISSEMENT: Pour éviter des blessures, user de prudence en entrant dans une cuve de relaxation et en sortant

WARNING: Do not use drugs or alcohol before or during the use of a spa or hot tub to avoid unconsciousness and possible drowning

and

AVERTISSEMENT: Pour éviter l'évanouissement et la noyade éventuelle, ne prendre ni drogue ni alcool avant d'utiliser une cuve de relaxation ni quand on s'y trouve

WARNING: Pregnant, or possibly pregnant, women should consult a physician before using a spa or hot tub

and

AVERTISSEMENT: Les femmes enceintes, que leur grossesse soit confirmée ou non, devraient consulter un médecin avant d'utiliser une cuve de relaxation.

WARNING: Water temperature in excess of 100°F (38° C) may be injurious to your health
and

AVERTISSEMENT: Il peut être dangereux pur la santé de se plonger dans de l'eau à plus de 38° C

WARNING: Before entering the spa or hot tub measure the water temperature with an accurate thermometer

and

AVERTISSEMENT: Avant d'utiliser une cuve de relaxation mesurer la température de l'eau à l'aide d'un thermomètre précis

WARNING: Do not use a spa or hot tub immediately following strenuous exercise

and

AVERTISSEMENT: Ne pas utiliser une cuve de relaxation immédiatement après un exercice fatigant

WARNING: Prolonged immersion in a spa or hot tub may be injurious to your health

and

AVERTISSEMENT: L'utilisation prolongée d'une cuve de relaxation peut être dangereuse pour la santé

WARNING: Do not permit electric appliances (such as a light, telephone, radio, or television) within 5 ft. (1.5m) of the spa or hot tub

and

AVERTISSEMENT: Ne pas placer d'appareil électrique (luminaire, téléphone, radio, téléviseur, etc) à moins de 1.5, de cette cuve de relaxation

WARNING: Maintain water chemistry in accordance with manufacturer's instruction

and

AVERTISSEMENT: La teneur de l'eau en matières dissoutes doit être conforme aux directives du fabricant.

WARNING: The use of alcohol or drugs can greatly increase the risk of fatal hyperthermia in hot tubs and spas

and

AVERTISSEMENT: La consommation d'alcool ou de drogue augmente considérablement les risques d'hyperthermie mortelle dans une cuve de relaxation.

HYPERTHERMIA

The causes, symptoms, and effects of hyperthermia may be described as follows:

Hyperthermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6°F (37° C).

The symptoms of hyperthermia include drowsiness, lethargy, and an increase in the internal temperature of the body. The effects of hyperthermia include

- (a) unawareness of impending hazard;
- (b) failure to perceive heat;
- (c) failure to recognize the need to exit spas;
- (d) physical inability to exit spa;
- (e) fetal damage in pregnant women; and
- (f) unconsciousness and danger of drowning.

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IMPORTANT SAFETY INSTRUCTIONS

Caution: Risk of electrical shock. Read and follow all instructions.

1. Read and follow all instructions.

2. Save these Instructions.

- Never** allow children to access or use this product unless closely supervised by an adult at all times.
- Never** connect unit to a power supply with a load controller.
- Never** operate spa if the suction fittings are broken or missing.
- Never** replace a suction fitting with one rated less than the flow rate marked on the original suction fitting.

The suction fittings in this spa are sized to match the specific water flow created by the pump. Should the need arise to replace the suction fittings or the pump, be sure that the flow rates are compatible.

To avoid/reduce risk of injury and/or drowning:

- The water temperature in a spa should never exceed 104°F (40°C). This temperature is considered safe for a healthy adult. Lower water temperatures are recommended for young children and elderly adults, and when spa usage exceeds 10 minutes. Consult your physician or pediatrician to determine safe temperature limits.

NOTE: Refer to information on hyperthermia on page 2.

- Since excessive water temperatures have a high potential for causing fetal damage during the early months of pregnancy, pregnant or possibly pregnant women should check with their physician before entering spa.
- Before entering a spa, the user should verify the water temperature with an accurate thermometer since the tolerance of water temperature regulating devices varies.
- The use of alcohol, drugs, or medications before

or during spa use may lead to unconsciousness with the possibility of drowning.

- Persons suffering from obesity or with a medical history of heart disease, circulatory problems, or diabetes should consult a physician before using a spa.
- Persons using medications should consult a physician before using a spa since some medications may induce drowsiness while other medications may affect heart rate, blood pressure, and circulation.

To avoid risk of electrical shock:

- Only use the wire connector provided on this unit to connect a minimum No. 6 AWG (5.15 mm2) solid copper conductor between this unit and any metal equipment, metal enclosures of electrical equipment, metal water pipe, or conduit within 5 ft. (1.5m) of the unit.
- Install at least 5 ft. (1.5m) from all metal surfaces. Spa may be installed within 5 feet of a metal surface if each metal surface is permanently connected by a minimum No. 6 AWG (5.15mm2) solid copper conductor attached to the wire connector on the terminal box that is provided for this purpose.
- Do not permit any electric appliance, such as a light, telephone, radio, or television within 5 ft. (1.5m) of a spa.

NOTE: Check with your state/local code enforcement officer to determine electrical code requirements and compliance. Use a qualified licensed electrician to complete all spa final electric connections.

The electrical supply for this product must

include a suitably rated switch or circuit breaker to open all ungrounded supply conductors to comply with Section 422-20 of the National Electrical Code (NEC) ANSI/NFPA 70-1987. This disconnecting means must be readily accessible for operation but installed at least 5 ft. (1.5m) from the spa as required to comply with local code requirements. All electrical connections should comply with Article 680-D of the NEC.

4. Install to provide drainage of compartment for electrical components.

Do's and Don'ts

For years of spa enjoyment:

Do:

- **Save these instructions!**
- Replace the cover immediately after use.
- Keep the cover locked when spa is not in use.
- Be aware of the dangers of a wet and slippery surface. Use caution when entering and exiting your spa.
- Have a licensed electrician make all final electrical connections.
- Replace worn, frayed or broken electrical cords.
- Keep the water chemistry correctly balanced. Untreated spa water will cause problems with your spa and equipment as well as being a health risk.
- Clean the spa filter monthly or as needed. (See Filter Maintenance Pg. 17).
- Position the spa so that all sides remain accessible for maintenance.
- Use a bathing cap for long hair.
- Refer to information on hyperthermia (this page).
- Use only authorized spa care products for the best performance and to keep the water properly balanced.

Don't:

- Use the spa at 104°F (40°C) for long periods of time (more than 30 minutes). See **Hyperthermia**, this page.
- Use an extension cord to power your spa.
- Allow anyone to stand on the spa cover. It is not designed to support weight.
- Power the spa unless it is filled with water to the water level mark on the Weir door.
- Operate the pump on high speed for extended periods of time with the cover in place. Extended operation can cause heat build-up and interfere with spa operation.

Hyperthermia

The causes, symptoms, and effects of hyperthermia may be described as follows: Hyper-thermia occurs when the internal temperature of the body reaches a level several degrees above the normal body temperature of 98.6°F (37°C). The symptoms of hyperthermia include an increase in the internal temperature of the body, dizziness, lethargy, drowsiness, and fainting. The effects of hyperthermia include (1) failure to perceive heat, (2) failure to recognize the need to exit spa or hot tub, (3) unawareness of impending hazard, (4) fetal damage in pregnant women, (5) physical inability to exit the spa or hot tub, and (6) unconsciousness resulting in the danger of drowning.

Warning: The use of alcohol, drugs, or medication can greatly increase the risk of fatal hyperthermia.

Spa Installation

Danger: Electrical shock risk. Install at least 5 ft. (1.5m) from all metal surfaces.

The electrical supply for this product must include a suitably rated switch or circuit breaker to open all ungrounded supply conductors to comply with Section 422-20 of the National Electrical Code, ANSI/NFPA70-1987. The disconnecting means must be readily accessible but installed at least 5 feet (1.5 meters) from the spa water. All electrical connections should comply with article 680-D of the NEC.

Site and Positioning

Locate the spa on solid, level foundation or flooring, keeping in mind the weight of the filled spa (in excess of 4,000 lbs. on some models). If you have any doubts about the load bearing ability of your chosen site, contact an architect or a building contractor. The entire perimeter of the spa cabinet and the spa bottom must be evenly supported.

If your spa is installed outdoors, we recommend that you provide a concrete pad for the spa to rest on (8ft. x 8ft. x 4" level pad). Failure to provide a level surface could structurally damage your spa and void the warranty.

The spa must be installed to allow access for service and maintenance on all four sides; therefore, below grade level installation is not recommended.

Outdoor Installation

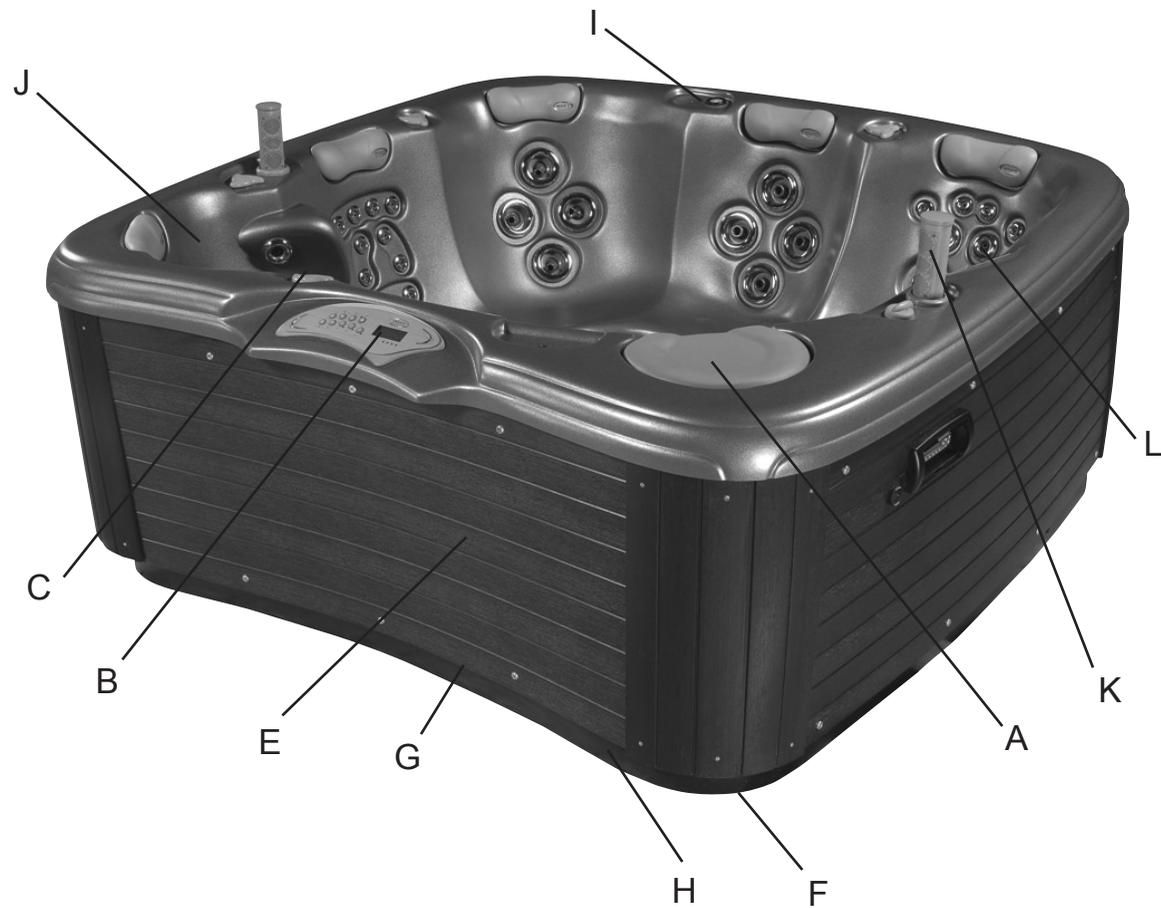
The following considerations apply when installing your spa outdoors:

1. Local codes pertaining to fencing.
2. Local electrical and plumbing codes.
3. View from your house.
4. Wind direction.
5. Exposure to sunlight.
6. Location relationship to trees (twigs, leaves and shade).
7. Dressing and bathroom location.
8. Storage area for maintenance equipment and chemicals.
9. Location to facilitate adult supervision.
10. Landscaping and nighttime lighting.
11. Accessibility to equipment.
12. Power supply location and foot traffic.

Indoor Installation

The following considerations apply when installing your spa indoors:

1. Indoor spas promote high humidity. Using either ventilation fans or commercial grade dehumidifiers will help to reduce the humidity. Consult your dealer for details.
2. Floor drains must be provided near the spa to drain off water that may cause falls and/or water damage.
3. Floor area should be flat with a non-skid finish. Carpeting is not recommended.
4. Walls, ceilings, woodwork should be made of materials capable of withstanding high humidity (redwood, cedar).
5. Be sure floor load bearing capacities are adequate to support the concentrated spa weight.
6. Spas should be double checked for leaks before installing to avoid possible water damage. Dealer installation may include this service.
7. Indoor sunrooms are capable of maintaining high ambient temperatures which may effect the spa water temperature. It is NOT recommended that you operate your filter cycles for longer than 6 hours per day under these conditions.

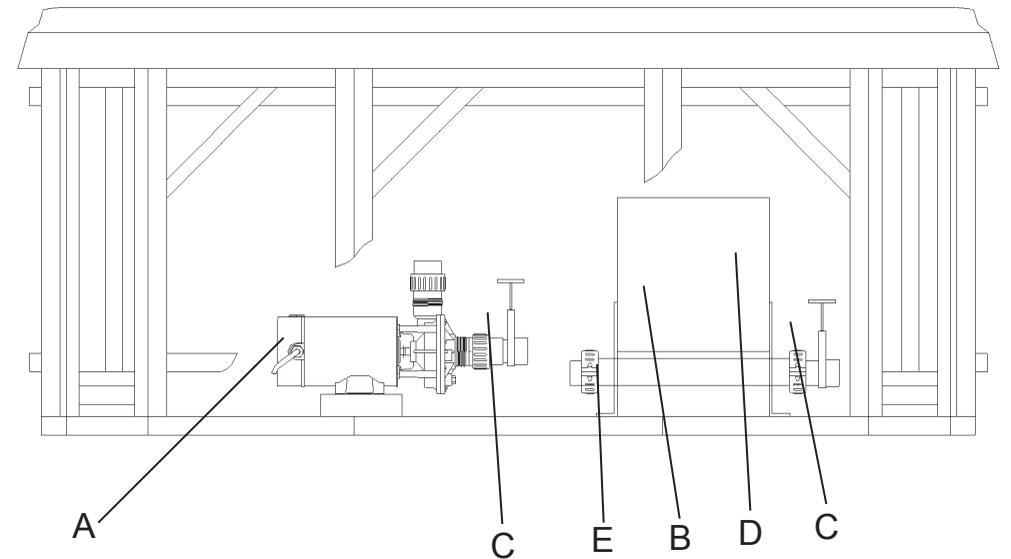


Spa System Components

- A. Filter Skimmer/Weir Door: Removes floating debris from the water surface, provides a water return path to equipment, and houses water filter element.
- B. Topside Control Panel: Used to control temperature setting, pump for jets, and light.
- C. Air Controls: Increases or decreases air entering the jets. Close during heating for maximum efficiency.
- D. Diverter Jet: Used to direct the flow of water from the whirlpool jet to the open seating area jets on the models 705 and 706 (not shown).
- E. Equipment Pack Service Panel (no user serviceable parts): Spa support system consisting of 2-speed pumps, heater, and associated electrical controls (not shown).
- F. Drain Access: (Adjacent to the equipment service panel) Spa drain faucets.
- G. Digital/Fiber Optic Lighting: Lighting system that displays multiple colored lights in pre-programmed random, solid or alternating colors.
- H. Manufacturer's Identification Label: Contains identification information for warranty service (serial number, model number, etc.) and electrical information (ampere rating and ampere requirements).
- I. Auxiliary Control: Used to control jet pumps or stereo functions.
- J. Full-Body Massage Seat™.
- K. Stereo/Speakers
- L. Sequencer Controls

Spa Components

Reference only. Equipment is not always as shown.



Note: No consumer serviceable parts. Do NOT attempt to service any of these components yourself. Contact your dealer for assistance.

- A. Pumps (3): Low speed for efficient water circulation during filtration and heating; high speed for maximum action of the jets. The pump functions are activated by topside controls.
- B. Warning and Installation Label: Contains important safety information and installation instructions.
- C. Slice Valve: Used to shut off water flow from the spa to the equipment while servicing. Quantity will vary depending on model. All should be open during normal operations.
- D. Electrical Connections: The electrical plugs for the unit connect here. All existing connections should be intact.
- E. Heater Assembly: Thermostatically controlled and equipped with an overheat safety shut-off.

Jets and Air Controls

Jets

All spa jets are individually engineered to provide a unique hydro-massage. Depending on the model, your spa will have a combination of the following jets:

Cyclone Therapeutic (XL Cyclone, LS Cyclone, & Cyclone):

Positioned to focus on large muscle groups, these jets deliver a concentrated, high volume stream of water for a deep massage. Each jet is fully adjustable, allowing users to set the water flow to the most comfortable setting. The nozzle can be rotated to target sore muscle areas.

Cyclone Turbo Swirl Jets (XL Cyclone, LS Cyclone, & Cyclone):

Positioned to focus on muscle tension zones, these jets deliver a spinning V-shaped water stream for a gentle, pulsating massage. Each jet is fully adjustable, allowing users to set the water flow to the most comfortable setting.

Whirlpool:

Positioned to create overall water circulation, this multi-purpose, high volume jet provides whirlpool action throughout the entire spa.

Euro Jets:

Positioned in the footwell or shoulder areas of the spa, these jets deliver a penetrating massage to dissolve tension in the lower legs. This jet is the entry point for ozone produced during the automatic filtration cycles, and, as such, is not adjustable.

Note: Ozone production is suspended when other functions are activated on the control panel by the spa user.

All full sized jets are adjustable from a fully open to closed position. It is very important that you NEVER SHUT ALL FULL SIZED JETS OFF AT ONE TIME!

Cleaning or Replacing Jets

Hard water can cause calcium/mineral buildup that can restrict or bind the jets. A jet consists of a face plate and a nozzle. Rotate these parts weekly and remove/clean monthly to ensure free movement.

Note: It is not necessary to drain the spa to clean or remove the jets.

Rotating the jet face plate and nozzle

- Rotate the jet face left and right (open and closed).
- Return the face plate to the full open position.
- Turn the jets on to high speed.
- Twist the nozzle left and right.
- Rotate the nozzle in the socket.

Note: If the jet insert disengages from the spa housing, see steps to reinstall below.

Cleaning the jets

To **remove** the jet insert, use the palm of your hand to exert pressure on the face of the jet. Turn counterclockwise until the jet “clicks”. Gently pull the jet assembly from the housing.

To **clean** the jet insert and housing, use a pressurized hose and spray the inside of the jet. Soak the jet in a diluted spa cleaning solution, rinse. Wipe the inside of the housing to remove any debris.

To **reinstall** the jet, line up the tab on the backside of the barrel with the groove in the body. Use the palm of your hand to gently tab the jet until it snaps into position.

Air Controls

The intensity of the jet action can be controlled by altering the amount of air injected with water through the jets. Your spa has five air controls located on the lip of the spa. Each control activates air to specific jets in the spa allowing you to create various combinations and levels of jet action to suit individual preferences.

Turn the control counter-clockwise to turn the air off and clockwise to turn air on.

Note: Air controls should be closed during heating cycles for maximum energy efficiency.

Electrical Information

**Caution: Risk of electrical shock.
Read and follow all instructions.**

Important Safety Instructions

All electrical connections to this spa package **MUST** be accomplished by a qualified licensed electrician in accordance with the National Electrical Code (NEC) and with state/local electrical codes in effect at the time of installation.

NOTE: Prior to performing any service to the spa equipment, turn **OFF** all primary electrical power at the main circuit breaker or disconnect panel.

To make spa electrical connections, remove the exterior equipment access panel, locate the electrical control box, remove the control box cover and follow the wiring diagram on the inside of the control box cover.

Connections should be made using copper conductors **only**. Connecting wires, circuit breakers, or fuses must all be sized to accommodate the Total Ampere load as specified on the equipment label.

This equipment is designed to operate on 60Hz alternating current only, at 240 volts.

NOTE: All unions must be hand-tight and all slice valves must be locked in the **OPEN** position before filling or refilling spa! A clip is provided to help keep the slice valve open. Run spa and check for union water leaks before reinstalling front panel.

Ground-Fault Circuit Interrupter

A qualified licensed electrician shall connect the spa to a circuit protected by a GFCI. This is a requirement by the National Electric Code, article 680-42, and is also in compliance with Underwriter's Laboratories, Inc.

Installation Options

Knockouts are provided in the cabinet base to bring the conduit to the equipment compartment. If an alternate electrical service entrance is desired, an additional hole may need to be drilled.

240 Volt Installation

Permanently Connected

Models:

- The MAAX Collection series, Models 705, 706, and M6 must be connected to a 240-volt electric service.

Electrical Requirements:

- 240 Volts, 60Hz, Single Phase, 60 amp. 4-wire service (line 1, line 2, neutral, and ground) or, ***40 Amp Option**

Note: The heater can be activated only with the pump on low speed. Only the spa light can be operating at the same time without disabling the heater. See your authorized Coleman Spas dealer to select this option.

Spas installed for 240 volt operation require a 4-wire, 60 amp., 240 volt subfeed in non-metallic pipe to the spa equipment compartment (line 1, line 2, neutral, and ground). A green colored terminal (or wire connector marked “G”, or “GR”, “Grounding”) is provided in the control box. To reduce the risk of electrical shock, connect this terminal or connector to the grounding terminal of your electrical service or supply panel with a continuous green insulated copper wire equivalent to the circuit conductor supplying this equipment, but no smaller than No. 12 AWG. In addition, a second pressure wire connector is provided on the surface of the control box for bonding to local ground points. To reduce the risk of electrical shock, this connector should be bonded with a No. 6 AWG copper wire to any metal ladders, water pipes, or any metal within 5 feet of the spa.

- **Copper wire is recommended for all electrical connections.**

Note: Units to be operated at 240 volts must have all electrical connections made by a qualified licensed electrician in accordance with the National Electric Code and state/local codes in effect at the time of installation.

Start Up Procedures

Follow recommendations for site location and electrical connection. The water line on the weir door is the level at which the water should be maintained.

1. Fill the spa through the filter hole to the water line on the weir door with tap water.
Never use “softened” water in your spa. Softened water can impact the chemical balance of the water and lead to degradation of metal plumbing components.
2. Turn power on to unit at circuit breaker or disconnect panel.
3. Open the air controls, located on the top lip, and cycle the jets from high to low. Water should come from the therapy jets. If water flow is not established, turn off jets and see Priming Your Spa (this page).
4. Add chemicals. See Chemical treatment and Water Maintenance section.

Follow Operating Instructions for your particular model to set heat to the desired temperature. Initially, you may find that the spa requires 12 to 14 hours on 240 Volt installations to reach temperature. Keep your thermal cover on the unit and close the air controls to help the heating process.

When filling your spa for the first time or, after draining and refilling the spa, you may need to bleed air from the system. Should you experience an air-lock in pump 1, remove the filter basket cover, insert a garden hose through the center hole of the filter as far as possible without using force. Hold the hose in place and turn on the water. This forces water into the pump and forces the air out.

Priming Your Spa



Control Systems

MAAX Collection Series Control System

The MAAX Collection Series Control System offers you the ultimate in spa control. The backlit Liquid Crystal Display (LCD) displays current water temperature, set point water temperature, time, and operating mode settings. Each feature of the system is actuated through a control panel touch pad. Touch the appropriate pad to activate the desired function.

At start up, when power is supplied to the spa, the controls will operate properly and safely under the factory settings. The spa will be in **Standard Mode**, have a temperature setting of 100°F, and a filtration cycle duration of 2 hours. To fully utilize the unique capabilities of the control system, it is important to know how to set the temperature, operate the pumps, operate the light, adjust the mode setting, and change the filtration cycles.

Note: In the event of a power outage or failure, the MAAX Collection Series Control System should retain all settings, except time of day. If settings are lost, re-program per the instructions in this manual and contact your dealer.

User's Pads

User's Pads are the buttons located on the topside control panel and are used to program various spa functions (i.e., turn on spa light, set temperature, etc.). The following table defines the pads:

Pad	Use to...
 Set Up	<ul style="list-style-type: none"> •Increase temperature •Change time settings
 Set Down	<ul style="list-style-type: none"> •Decrease temperature •Change time settings
 Blower	<ul style="list-style-type: none"> •OPTIONAL. Turns blower system on or off.
 Lights	<ul style="list-style-type: none"> •Turns lighting system on or off.
 Mode/Prog	<ul style="list-style-type: none"> •Set or lock/unlock temperatures •Set or lock/unlock panel settings •Switch modes •Set time and filtration cycles
 Jets 1	<ul style="list-style-type: none"> •Activate primary filtration pump
 Jets 2	<ul style="list-style-type: none"> •Activate therapy pump
 Jets 3	<ul style="list-style-type: none"> •Activates therapy pump
 Time	<ul style="list-style-type: none"> •Change time of day setting or, •Change set times of spa cycles
 Invert	<ul style="list-style-type: none"> •Flip display for easy reading from outside or inside spa

Temperature

The maximum set temperature is 104°F (40°C) and the minimum set temperature is 80°F (27°C). The current water temperature or, if the pump has not been running, two dashes will show on the display. If dashes are displayed, you must first start the pump by pressing the **JETS 1** pad. Wait until the water temperature is displayed (approximately 2 minutes).

The set temperature of your spa may easily be increased or decreased at any time using the **SET UP** or **SET DOWN** pads. When either of these pads is touched, the set temperature will be displayed in the LCD window. Each successive touch will change the set temperature 1°F in the chosen direction. After 3 seconds the LCD will automatically display the water temperature or dash lines.

If the spa is set in **Standard** mode or in a filtration cycle, adjusting the set temperature may result in activating the heater. When the heater is operating, a picture of a thermometer will be displayed in the LCD.

Note: 240-Volt spas that are wired with the 40 Amp option will not heat when Pump 1 is on in high speed, when Pump 2 is operating or, when pump 3 is operating.

JETS 1

Touch the **JETS 1** pad to activate the primary filtration pump. The sequence of the jet action is:

- 1 touch = Low whirlpool jets
- 2 touches = High whirlpool jets
- 3 touches = Off

JETS 2

Touch the **JETS 2** pad to activate the second therapy pump. The sequence of jet action is:

- 1 touch = Low therapy jets
- 2 touches = High therapy jets
- 3 touches = Off

JETS 3

Touch the **JETS 3** pad to activate the third therapy pump. The sequence of jet action is:

- 1 touch = Low therapy jets
- 2 touches = High therapy jets
- 3 touches = Off

Note: Pump 3 on the M6 model is a single speed and operates as ‘high’ and ‘off’.

The low speed operation of Pump 1 is timed to

automatically turn off after two hours of operation. The high speed operation of Pump 1, and the low and high speed operations of Pump 2 and 3, are timed to automatically turn off after 15 minutes of operation.

Note: Pump 1 will automatically operate in low speed whenever the spa calls for a filtration cycle or heat. When this automatic activation occurs, the low speed of Pump 1 cannot be turned off; however, all other control functions can be activated.

Temperature Lock

Once you have set the desired water temperature, you may lock-in the new setting to prevent unauthorized temperature adjustments to your spa. To lock the set temperature:

Touch **SET UP** or **SET DOWN**, and then touch **TIME**, **JETS1**, and **SET UP** within 3 seconds. The “TL” indicator will light when the set temperature is locked.

Temperature Unlock

To unlock the temperature, touch either **SET UP** or **SET DOWN**, and then touch **TIME**, **JETS1**, and **SET UP** within 3 seconds. The “TL” indicator light will go out when the set temperature lock is cleared.

Panel Lock

To help prevent unauthorized use of your spa, the control system has a unique panel locking system.

To lock the panel, touch **TIME**, **JETS1**, and then **SET UP** within 3 seconds. When locked, the “PL” indicator light will be on. Except for the time button, everything will be frozen.

When the control panel lock is engaged, all automatic spa functions will operate normally, but can not be altered.

Panel Unlock

To unlock the panel, touch the **TIME**, **JETS1**, and **SET DOWN** buttons within 3 seconds. The “PL” indicator light will go out when the panel lock is cleared.

Operating Modes

Your Coleman Spa comes with three primary operating modes.

Standard Mode maintains the water at the desired set temperature. Note that the last measured spa temperature displayed is current only when the pump has been running for at least 2 minutes. The “STANDARD” icon will be displayed in the LCD window when this mode is selected.

Economy Mode heats the water to the desired set temperature ONLY during filter cycles. The “ECONOMY” icon will be displayed in the LCD window when this mode is selected. While in the Economy mode, pressing the **JETS1** button will put the spa into the **Standard-In-Economy** mode, which operates the same as the Standard Mode, then reverts back to the Economy mode after 1 hour. The spa can be immediately reverted back into the Economy mode at any time by simply pressing the **MODE/PROG** button.

Sleep Mode heats the spa to within 20°F (11°C) of the set temperature only during filter cycles. The “SLEEP” icon will be displayed in the LCD window when this mode is selected.

Changing Modes

To change the operating mode, press the **MODE/PROG** button. The operating mode will be flashing on the LCD window. Press the **SET DOWN** button to cycle through to the desired mode, and then press the **MODE/PROG** button to confirm selection.

Pressing **SET UP** or **SET DOWN** then **JETS2** will put the spa into the **Standby Mode**. While in this mode, all spa functions are temporarily suspended to allow for filter changes or other routine maintenance tasks. Press any button to exit the Standby mode.

Time and Filtration Cycles

The control system on your spa has been designed to function properly and safely at 100°F after connecting the electrical wires and installing the proper grounds. To take full advantage of the unique capabilities of your new spa, you should first set the time and establish your filtration cycles.

Setting the Time

When the time of day has not been programmed, the “TIME” icon will be flashing on the LCD window. To set the time of day, first press the **TIME** button then press the **MODE/PROG** button. The hour digit(s) will be flashing on the LCD window. Press the **SET UP** or **SET DOWN** button to advance the hours up or down to the desired set point. Press the **MODE/PROG** button to enter the time hour.

The minute digits will now be flashing on the LCD window. Press the **SET UP** or **SET DOWN** button to advance the minutes up or down to the desired set point. Press the **MODE/PROG** button to enter the time minutes.

At this point you can either proceed with setting

the filtration cycles as described in the following “Changing Filter Cycle” section, or press the **TIME** button to save the settings and exit the programming sequence.

Preset Filter Cycles

Once the time of day has been set, your spa will automatically filter the water for a 2-hour period every 12 hours. The first filter cycle comes preset to operate from 8:00AM to 10:00AM, and the second filter cycle comes preset to operate from 8:00PM to 10:00PM. The F1 indicator light will be lit whenever the spa is in the first filter cycle. The F2 indicator light will be lit whenever the spa is in the second filter cycle. During a filter cycle, the primary filtration pump will operate in low speed and can not be turned off unless the spa is put into the Standby mode. At the beginning of each filtration cycle, the other equipment in the spa will turn on for 30 seconds to purge all plumbing lines and ensure complete filtration.

Changing Filter Cycles

The MAAX Collection control system allows you to adjust the start time and duration of each filter cycle independently to best suit your schedule. The amount of time needed to filter your spa will vary depending upon usage and ambient conditions, but a total filter time of at least four hours per day is recommended to properly clean and maintain the water.

If you are setting the filter cycles as a continuance from setting the time then proceed to the next paragraph. To initiate the programming sequence to change the filter cycles, press **TIME**, **MODE/PROG**, **MODE/PROG**, and **MODE/PROG** within 3 seconds.

You should now see the “PROGRAM”, “FILTER 1”, and “START TIME” icons on the LCD display window. The hour digit(s) will be flashing on the LCD window. Press the **SET UP** or **SET DOWN** button to advance the hours up or down to choose the Filter 1 start hour. Enter the hour by pressing the **MODE/PROG** button. The minute digits will now be flashing on the LCD window. Press the **SET UP** or **SET DOWN** button to advance the minutes up or down, in 5 minute increments, to choose the Filter 1 start time. Enter the minutes by pressing the **MODE/PROG** button.

You should now see the “PROGRAM”, “FILTER 1”, and “END TIME” icons on the LCD display window. Adjust the hours and minutes for the end time of the first filter cycle as described above.

After pressing the **MODE/PROG** button to enter the end time of the first filter cycle, you should now see the “PROGRAM”, “FILTER 2”, and “START TIME” icons on the LCD display window. Adjust the hours and minutes for the start time of the second filter cycle as described above.

After pressing the **MODE/PROG** button to enter the start time of the second filter cycle, you should now see the “PROGRAM”, “FILTER 2”, and “END TIME” icons on the LCD display window. Adjust the hours and minutes for the start time of the second filter cycle as described above.

After pressing the **MODE/PROG** button to enter the end time of the second filter cycle, the new filtration times will be saved into the system and the LCD window will revert back to display the current water temperature.

Pressing the **TIME** button at any time during the above programming sequence will save the values entered up to that point and exit the programming sequence.

To set the spa for continuous filtration, set the start and end times of the first filter cycle to the exact same time.

Clean Up Cycle

After periods of heavy use, you can manually start a clean-up cycle by turning Pump 1 on in low speed. The pump will operate for 2 hours and then automatically turn off. The heater will also operate during this period if the controls are set in the Standard mode.

Digital Optic Lighting

All MAAX Collection Series spas are equipped with a Digital Optic Lighting System, or DOL, consisting of both internal and external lights. This system has different color settings, or modes, to enhance your overall spa experience. Each time the DOL system is turned on by pressing the LIGHT pad, it will begin a different color lighting sequence.

Accessing Different Light Modes

To change modes, press the **LIGHT** button off and on within 5 seconds. The light will advance to the next color sequence mode. Continue this process until the desired color sequence mode is selected.

Ozone Operation

All models in the MAAX Collection Series are equipped with Maax Spas’ CleanZone™ water treatment system to assist with your water sanitizing needs. The system is designed to work in conjunction with an injector system to maximize the sanitizing effects by fully mixing the ozone with the water flow.

CleanZone™ will produce ozone only when the spa is in a timed filtration cycle. During the filter cycle, activating other functions will suspend ozone production for 30 minutes.

Note: Activating the low speed of Pump 1 for a clean-up cycle will initiate filtration, but not ozone production, unless the spa enters a timed filter cycle during the 2 hour period.

UV Sanitizer

The M6 model in the MAAX Collection Series is equipped with Maax Spas’ CleanZoneII™ water sanitizing system. The system is designed to incorporate all the benefits of the original CleanZone™ system, plus an in-line, ultra-violet sanitizing chamber.

Water from the primary filtration pump first passes through the stainless steel chamber of the sanitizing unit where it comes in contact with high frequency ultra-violet light. Upon exiting the sanitizing unit, the water flows through the original CleanZone™ system before finally re-entering the spa.

As with the original system, CleanZoneII™ will operate only when the spa is in a timed filtration cycle. During the filter cycle, activating other functions will suspend operation for 30 minutes.

Note: Activating the low speed of Pump 1 for a clean-up cycle will initiate filtration, but not CleanZoneII™ operation, unless the spa enters a timed filter cycle during the 2 hour period.

Note: To maintain optimum performance, it is recommended that the UV bulb inside the sanitizing chamber be replaced annually. Contact your local dealer for assistance with changing the bulb.

Turbo Air Boost

The M6 model in the MAAX Collection Series is equipped with a Turbo Air system to increase the performance and therapeutic action of the jets. To turn the Turbo Air system on an off, touch the **BLOWER** button.

Note: The Turbo Air blower will shut off automatically after 15 minutes.

Note: At the start of a filtration cycle, the blower is activated to purge the lines and ensure complete filtration. Make sure at least one air control valve is fully open.

Therapy Sequencer

The M6 model in the MAAX Collection Series is equipped with a Jet Sequencer System that opens and closes a series of four solenoid valves to provide a therapeutic sequencing massage. The control panel for the system allows you to start or stop operation, change programs, change speeds, or pause the system at any point in the program.



Starting the Sequencer

To energize the sequencing system, press the **JETS3** button on the main control panel. Once energized, the sequencer will open all 4 solenoid valves and water will flow through all open jets. Two dashed lines will be displayed in the LCD window.

Push the **ON/OFF** button one time and the LCD display will now show “On”. This indicates that the system has been activated, but no changes will occur until a sequencing program has been selected.

Sequencing Programs

To start the sequencing program, push the **PROGRAM** button one time. The LCD will momentarily display “P2”, and then alternate between “P2” and “S1”. The system is now running program 2 and sequencing speed 1.

To change programs, push the **PROGRAM** button to step through the programs. The LCD will momentarily display the selected program (P3, P4, P5, etc.), and then alternately display the selected program with the sequencing speed.

Refer to the chart below to see the order in which the valves will open and close for each program.

Therapy Sequencer

Program #	Valve	Sequence											
P1 <i>Default</i>	V1	X	X	X	X	X	X	X	X	X	X	X	X
	V2	X	X	X	X	X	X	X	X	X	X	X	X
	V3	X	X	X	X	X	X	X	X	X	X	X	X
	V4	X	X	X	X	X	X	X	X	X	X	X	X
P2	V1	X				X				X			
	V2		X				X				X		
	V3			X				X				X	
	V4				X				X				X
P3	V1	X						X					
	V2		X				X			X			X
	V3			X		X				X		X	
	V4				X					X			
P4	V1	X		X		X		X		X		X	
	V2	X		X		X		X		X		X	
	V3		X		X		X		X		X		X
	V4		X		X		X		X		X		X
P5	V1	X		X		X		X		X		X	
	V2		X		X		X		X		X		X
	V3	X		X		X		X		X		X	
	V4		X		X		X		X		X		X
P6	V1	X		X		X		X		X		X	
	V2		X		X		X		X		X		X
	V3		X		X		X		X		X		X
	V4	X		X		X		X		X		X	
P7	V1	X		X		X		X		X		X	
	V2	X		X		X		X		X		X	
	V3	X		X		X		X		X		X	
	V4		X		X		X		X		X		X
P8	V1	X		X		X		X		X		X	
	V2		X		X		X		X		X		X
	V3		X		X		X		X		X		X
	V4		X		X		X		X		X		X
P9 <i>Random</i>	V1	X				X				X			
	V2			X					X			X	
	V3		X			X					X		
	V4				X			X					X

Sequencing Speeds

When first energized, the sequencing program will automatically go to the default speed, or “S1”. To change the sequencing speed, push the **SPEED** button once. The LCD will momentarily display the selected speed (S1, S2, or S3), and then alternately display the current program and the sequencing speed.

Pausing

To pause the sequencing action of the system at any point, simply press the **PAUSE** button. This will suspend the operation of the valves and hold them either until the sequence is resumed or until the system is de-energized. The LCD display will alternate between “PA” and the current program number. Press the **PAUSE** button again to resume normal operation.

Entertainment System

The M6 model in the MAAX Collection Series is equipped with an audio system designed to provide the ultimate spa entertainment experience. Power to the entertainment system is supplied at spa startup so it is always ready for your enjoyment.

Refer to the stereo Owner’s Manual included in the MAAX Collection Owner’s packette for instruction on programming and using the entertainment system. Read all instructions carefully before using the entertainment system and SAVE THE INSTRUCTIONS.

The system includes both a wired and a wireless remote. To operate the wired remote, simply press the desired function on the key pad. To operate the wireless remote, point it at the side skirt panel of the spa where the stereo is located, or at the IR receiver on the front inside lip of the spa. Refer to the stereo Owner’s Manual for further instructions on how to use the remotes.

Note: The wireless remote control is water resistant, *not* waterproof. Care should be taken when using from within the spa. Do not submerge the wireless remote control.

CAUTION: Risk of electrical shock. Do not leave stereo compartment door open.

CAUTION: Risk of electrical shock. Replace components only with identical components.

CAUTION: Risk of electrical shock. Do not operate the audio/video controls while in the spa.

CAUTION: Risk of electrical shock. When the power supply connections or power supply cord(s) are damaged; if water is entering the audio/video compartment or electrical equipment compartment area; if the protective shields or barriers are showing signs of deterioration; or if there are signs of other potential damage to the unit, turn off the unit and refer servicing to a qualified service technician.

WARNING: Prevent Electrocutation. Do not connect any auxiliary components (for example cable, additional speakers, headphones, additional audio/video components, etc.) to the system.

WARNING: Prevent Electrocutation. These units are not provided with an outdoor antenna. When provided it should be installed in accordance with Article 810 of the National Electric Code, ANSI/NFPA 70.

WARNING: Prevent Electrocutation. Do not service this product yourself as opening or removing covers may expose you to dangerous voltage or other risk of injury. Refer all servicing to qualified personnel.

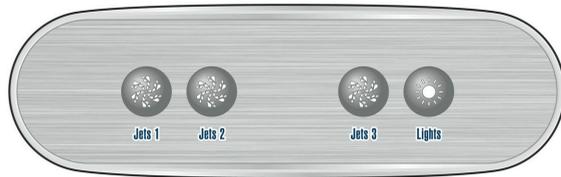
WARNING: Prevent Electrocutation. This unit should be subjected to periodic routine maintenance (for example once every 3 months) to make sure the unit is operating properly.

Inversion Feature

The MAAX Collection Series Control includes an **Inversion** feature that makes it easy to read the LCD from inside or outside the spa. To invert the LCD display, touch the Invert pad. Repeat the sequence to reverse the inversion process.

Auxiliary Panel

Select models in the MAAX Collection Series are equipped with an auxiliary control panel which allows you to operate all three pumps and the internal light without leaving the comfort of the Full-Body Massage Seat™.



JETS 1

Touch the **JETS 1** pad to activate the primary filtration pump. The sequence of the jet action is:

- 1 touch = Low jets
- 2 touches = High jets
- 3 touches = Off

JETS 2

Touch the **JETS 2** pad to activate the therapy pump. The sequence of jet action is:

- 1 touch = Low jets
- 2 touches = High jets
- 3 touches = Off

JETS 3

Touch the **JETS 3** pad to activate the therapy pump. The sequence of jet action is:

- 1 touch = Low jets
- 2 touches = High jets
- 3 touches = Off

Note: Pump 3 on the M6 model is single speed and operates as 'high' and 'off'.

Equipment Safety Features

Automatic Time Outs

Your MAAX Collection Series Spa is equipped with an automatic Time Out feature designed to protect both the equipment and the user. To reduce unnecessary use of the pumps and lights, the Time Out feature turns selected accessories off automatically, as follows:

Accessory	Mode	Shuts off in....
Pump 1	Low	2 hours
Pump 2	Low	15 minutes
Pump 3	Low	15 minutes
Pump 1	High	15 minutes
Pump 2	High	15 minutes
Pump 3	High	15 minutes
Light		1 hour
DOL Light		1 hour

Common LCD Equipment Safety Messages

The following table describes the most common messages, possible causes, and corrective actions you may need to take:

If the LCD displays...	Indicates...	What happens...	Possible cause...	Corrective action
OHH	Overheat - one of the sensors has detected water temperature of 118°F+ inside the heater	Spa heater will automatically shut down until temperature falls below 108°F	- Low speed pump operating for an extended period of time - Programming error causing continuous filtering - Faulty Pump	- Make sure slice valves are open. - Reprogram to ensure time cycles not overlapping - Contact dealer if problem persists
OHS	Overheat - One sensor has detected temperature of spa water entering heater to be 110°F+	Spa heater will automatically shut down until temperature falls below 108°F	- Low speed pump operating for an extended period of time - Programming error causing continuous filtering	- Make sure slice valves are open. - Reprogram to ensure time cycles not overlapping - Contact dealer if problem persists
HFL	Heater flow problem	Heater will shut down while spa continues to function normally	- Plugged filter - Low water	- Remove filter and clean - Add water - Contact dealer or service person

Common LCD Equipment Safety Messages (continued)

If the LCD displays...	Indicates...	What happens...	Possible cause...	Corrective action
LF	Water flow problem - Persistent flow problem	Heater will shut down while spa continues to function normally	- Plugged filter - Low water	- Remove filter and clean - Add water - Contact dealer or service person
drY	Lack of water to the heater	Heater will shut down while spa continues to function normally	Insufficient water in spa	- Add water - Contact dealer
dr	Lack of water to the heater	Heater will shut down while spa continues to function normally	Insufficient water in spa	Add water
SnT	Heater sensor A not functioning	Spa automatically deactivated	Non-functioning sensor	Contact dealer for replacement sensor
SnH	Heater sensor B not functioning	Spa automatically deactivated	Non-functioning sensor	Contact dealer for replacement sensor
Sns	Heater sensors are out of balance		---	Contact dealer

Common LCD Messages

The following table defines other messages you will frequently see on the LCD display:

Message...	What it is...	What it means....
Pr	Priming mode	Spa is in normal Priming Mode operation
SLP	Sleep mode	Spa is in normal Sleep Mode operation
Ecn	Economy mode	Spa is in normal Economy Mode operation
Std	Standard mode	Spa is in normal Standard Mode operation
ICE	Freeze condition	Heater will come on to keep water above 45°F
--	Water temperature	Current water temperature not measured

Maintenance

Water Chemistry

Water chemistry is critical in a spa system. Chemicals are used to sanitize the water and control the pH balance. The combination of high water temperature and small water volume means that the chemical balance must be watched carefully. It is recommended that you purchase a chemical start up kit, and the additional chemicals needed to maintain the proper/optimum chemical balance, from your dealer.

Sanitizing

Sanitizing the water destroys harmful organisms and keeps your spa healthy and safe. Three commonly used spa sanitizers or oxidizing agents are bromine, chlorine and ozone. Chlorine or bromine are chemicals that you add to the water. Ozone is a gas that is produced by an ozonator and injected into the water. It is important that a residual of sanitizer remain in your water. High water temperature, aeration and use will increase the need for sanitizer.

In addition to maintaining a residual, it is important to “shock” your spa water periodically and after heavy use. This addition of substantial amounts of sanitizer super-chlorinates the water and oxidizes non-filterable organic residue. Allow the sanitizer level to drop back to the residual amount before using. Also use your Clean Up Cycle after heavy use for additional filtration.

Tests should be done **daily** with your test kit to keep a chlorine or bromine residual of 3.0 to 5.0 ppm.

pH Level

pH is the balance of acidity and alkalinity in the water. Maintaining proper pH is important for the effectiveness of your sanitizer, for user comfort, and to prevent corrosion of the spa equipment.

Caution: Never mix two chemicals together.

Caution: Never store chemicals in the equipment compartment.

Caution: Do not use muriatic acid to balance pH as it will damage your spa surface and equipment.

Recommended Levels

pH:	7.2–7.6 (Ideal 7.4–7.6)
Sanitizer Residual:	3.5–5.0 ppm
Total Dissolved Solids:	100–200 ppm
Free Available Sanitizer:	3.0–5.0 ppm

Total Alkalinity:	80–100 ppm ideal for dichlor, trichlor, and bromine.
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Note: Make sure you use fresh test kit strips/chemicals. Test kits and test chemicals should be stored in a cool, dry location. Check the manufacturer’s instructions to determine shelf life and expiration date.

Water Maintenance With the CleanZone™ Water Treatment System

Equipping your spa with a Clean Zone™ system that includes the Powerworks™ Ozonator is a smart decision. The use of ozone in conjunction with spa sanitizing and water balancing chemicals helps to provide you with a cleaner, healthier spa, reduces chemical usage, and protects your skin from chemically induced irritation.

Sanitizing With Ozone

Spas vary in size, and frequency and conditions of use. For this reason you will need to establish your sanitizing program based upon your own personal use. When using ozone, you should start by balancing your water chemistry as you normally would. A spa should run and be ozonated a minimum of six hours per day. If your spa is heavily used, this run time should be increased. Your spa produces ozone during the filtration cycles.

The amount of a residual sanitizer (chlorine or bromine) that you maintain in the water will also vary depending on use. It is recommended that you maintain a residual of 3.0–5.0 ppm. Periodically, and after periods of heavy use, it is necessary to “shock” your spa with large amounts of sanitizer.

Note: Extra filtration can be provided by manually starting a clean-up cycle. Turn Pump 1 on in low speed. The pump will operate for 4 hours and then automatically turn off. The heater will also operate during this period if the controls are set in Standard mode.

Specialty Chemicals

While ozone may significantly reduce the usage of specialty chemicals (chlorine and bromine), it is not a substitute for these chemicals. All chemicals should continue to be monitored, especially during periods of heavy usage and when changing or replenishing the spa water.

Draining Your Spa

Note: Always turn the spa heater and circuit breaker off when you drain your spa. Do not turn the spa heater back on until you have full flow coming from the jets for several minutes.

High concentrations of impurities caused by water evaporation, body oils, perfumes, and other contaminants may accumulate in the spa and cannot be filtered out. Consequently, it is advisable to drain your spa and refill it with fresh water every six to eight weeks or more often, depending on the amount of use.

All spas are equipped with both external and internal drains. The external drain is used for draining the spa. The internal drain(s) are used to remove water from internal hoses when Winterizing your spa or if the water is severely contaminated

Note: Use a standard garden hose to direct the water to an appropriate disposal area.

The **external** drain valve is located at the base of the spa below the front corner post. Remove the outer black cap and connect a garden hose to the fitting. Turn the ring on the back of the valve counter-clockwise until it stops, then pull out to open the valve. Water will begin to flow. When flow stops, push in the valve, turn ring clockwise until it stops, remove hose and replace the cap.

The **internal** drain hose(s) are located behind the front access panel. Remove the access panel screws and the access panel. Locate the drain hose(s). For each hose drain valve, remove the cap, attach the garden hose, and turn the valve handles, located on the drain valve body, 90° counter-clockwise. Water will begin to flow. When all water has been evacuated, turn the valve handle clockwise until it stops. Remove garden hose and replace the cap. Repeat for each internal drain hose.

Note: Do **NOT** attempt to use the pump to drain the spa.

Note: Close and replace caps on all drains **prior** to refilling the spa.

Note: When refilling the spa, you may need to bleed air from the system. Refer to Priming Your Spa, pg. 8, for instructions.

Filter Maintenance

Note: It is not necessary to drain the spa in order to clean the filter.

The removable filter cartridge is located in the filter canister behind the skimmer. The filter should be inspected/cleaned monthly during normal use, and more often when spa use is heavy.

Your filtration system may also include First Filter, an additional filter that is placed on top of the skimmer basket and pressed into place. This filter aids the collection of microscopic organic matter, debris, hair, soap residue and body oils. To clean this filter, remove, rinse or soak in cartridge cleaner as directed, and reinstall. When First Filter is no longer white after cleaning, replace with a new filter. These can be purchased from your dealer.

Keep the filter cartridge clean! Clean the filter cartridge at least once every 90 days, as a minimum. A clogged filter decreases performance and degrades water quality.

To clean the filter cartridge:

1. Turn the pump off.
2. Remove skimmer lid on top of spa.
3. Remove strainer basket.
4. Remove filter cartridge from the filter canister by grasping the top and lifting upwards.
5. Soak filter in a commercial filter cleaner/degreaser, available from your Coleman Spa® dealer, per manufacturer's instructions. Hose out filter cartridge or replace with new cartridge, if needed.
6. Place filter cartridge back into filter canister. When the spa is empty, the weir door may block the filter canister. You must hold it out of the way when reinstalling the cartridge. When the spa is full, the door will float so you will have easy access for installing the filter cartridge.
7. Replace strainer basket and skimmer lid.
8. Turn the pump ON.

Replacing the filter cartridge annually is recommended to maintain optimum performance. Filter maintenance depends on usage.

Winterizing

In cold climates where freezing temperatures occur, special care is required to prevent the possibility of damage to the spa and equipment due to freezing.

If you plan on using your spa during cold months, be sure your pump and heater are in good working order. The spa shell has been insulated to provide efficient operation in cold weather areas.

Note: If you elect not to drain your spa and the temperature is going to be below freezing for extended periods of time, it is best to operate the spa heater at the maximum high temperature (to 104°F), especially if there is a power outage threat. This will help keep the spa water from freezing if you have a power failure.

If you do not intend to use your spa during the winter months and there is danger of freezing, use the following steps to winterize your spa:

1. Turn off all electrical power to the spa.
2. Drain spa and hoses of all water using the directions for Draining Your Spa (pg. 17). Open all unions, and remove drain plugs from bottom of pumps. If you cannot draw off all of the water (especially from hoses), add Recreational Vehicle antifreeze to the remaining water through the bottom of the skimmer and jets. If antifreeze is used, it must be an inhibitor Propylene Glycol such as Dow Frost™, available through Dow Chemical® distributors.

Note: Prior to refilling the spa, drain all antifreeze from spa and hoses using the instructions for Draining Your Spa (Pg. 17). Carefully monitor chemicals until all antifreeze residue has dissipated.
3. The filter should be drained, and the cartridge removed and cleaned.
4. Check to see that there is no water in the heater element chamber.
5. Clean your spa as per previous maintenance instructions.
6. Cover your spa with a water-shedding, impenetrable cover.
7. For further information on blowing out the plumbing lines and winterizing procedures, contact your local dealer.

Spa Cabinet Care

The MAAX Collection Series cabinets are made of DuraMaax™, a high quality alternative to wood that is virtually maintenance free, requiring no staining, sealing, or waxing.

Never use abrasive cleaners.

To clean the spa cabinet, rinse dirt and dust regularly with clear water. To remove stubborn dirt, grime, and mild discoloration, wash with a mild detergent and warm water.

Spa Surface Care and Cleaning

Your spa shell surface is made of acrylic. A minimum amount of care and cleaning will keep your spa looking new for years.

Use a spa cleaner for residue and lime buildup at the water level of the spa surface. It may be necessary to lower the water level 2 to 3 inches before cleaning to avoid polluting the spa.

Cleaner can be applied to the acrylic surface with a soft cloth and wiped clean. Use a non-abrasive household cleaner to clean your spa shell (Lysol Basin, Tub & Tile Cleaner®, Glass Plus®, Mr. Clean®, etc.) or use a mild dishwashing detergent such as Ivory® Liquid. Rinse well and dry with a clean cloth.

Note: Do not allow the acrylic surface to come in to contact with products such as acetone (nail polish remover), nail polish, dry cleaning solution, lacquer thinners, gasoline, pine oil, etc.

Remove dust and dirt with a soft, damp cloth. Clean grease, oil, paint and ink stains with isopropyl (rubbing) alcohol. Avoid using razor blades or other sharp instruments that might scratch the surface.

Protect spa finish - always keep cover on the spa when not in use.

Light Bulbs

The Spa light bulb is serviceable from the spa cabinet. Remove the side panel and insulation closest to the light; locate the bracket that holds the bulb. Turn the black bulb holder 90 degrees counter-clockwise; remove from bracket. Pull bulb straight out and replace. Insert bulb holder back into bracket and turn 90 degrees clock-wise to secure.

Common Water Problems

PROBLEM	CAUSE	SOLUTION
Cloudy Water	<ul style="list-style-type: none"> •Inadequate filtration/dirty filter •Excessive oils/organic matter •Improper sanitation/bacteria •High pH and/or high alkalinity •Suspended particles/organic matter •High total dissolved solids (TDS) 	<ul style="list-style-type: none"> •Check to make sure the filter is running properly; clean filter with a filter cleaner or degreaser. •Shock the spa with a chlorine or bromine sanitizer, or other shock treatment product. •Increase sanitizer level to balance water and shock if needed. •Adjust pH; add appropriate sodium bisulfate product. •Use clarifier. Note: If using an ozone generator or Clean Zone™, consult with your dealer before using polymer based clarifiers. •Depending on the severity, drain the spa to half and refill, or drain the spa completely, clean and refill.
Water Odor	<ul style="list-style-type: none"> •Excessive organics or chloramines; insufficient free available sanitizer •Improper sanitation •Inadequate filtration •Low pH 	<ul style="list-style-type: none"> •Shock the spa with a chlorine or bromine sanitizer/shock, or other shock treatment product. •Increase sanitizer level to balance water; shock if needed. •Check to make sure the filter is running properly; clean filter with a filter cleaner or degreaser. •Raise pH with sodium bicarbonate product. If metals are present, add chelating agent.
Chlorine Odor	<ul style="list-style-type: none"> •Too many chloramines/insufficient free •Low pH 	<ul style="list-style-type: none"> •Shock the spa with a chlorine available chlorinesanitizer/shock, or non-chlorine shock treatment. •Adjust pH; raise pH with sodium bicarbonate product.
Bromine Odor/ Yellow Water	<ul style="list-style-type: none"> •Low pH 	<ul style="list-style-type: none"> •Adjust pH; raise pH with sodium bicarbonate product.
Musty Odor	<ul style="list-style-type: none"> •Bacterial or algae growth 	<ul style="list-style-type: none"> •Shock spa with a chlorine or bromine sanitizer/shock, or equivalent shock treatment product. If problem is visible, drain, clean, refill and balance spa.
Foaming/Scum Ring Around the Tub	<ul style="list-style-type: none"> •Build up of body oils, lotion and chemicals resulting from soap or detergent 	<ul style="list-style-type: none"> •Skim foam off using your leaf net or, drain and refill.

Common Water Problems (continued)

PROBLEM	CAUSE	SOLUTION
Algae	<ul style="list-style-type: none"> •pH Imbalance •Low free chlorine or bromine 	<ul style="list-style-type: none"> •Adjust pH •Shock with a chlorine or bromine
Eye Irritation	<ul style="list-style-type: none"> •Low pH •Insufficient free available chlorine 	<ul style="list-style-type: none"> •Raise pH with sodium bicarbonate product. •Shock with a chlorine sanitizer/shock or other shock treatment product.
Skin Irritation/ Rash	<ul style="list-style-type: none"> •Unsanitary/polluted water •Soaking too long •Chemicals not balanced, excessive ozone 	<ul style="list-style-type: none"> •Keep recommended sanitizer residual at all times; superchlorinate or use a non-chlorine shock treatment. •Soak for smaller intervals, such as 15 minutes. •Correct chemical imbalance.
Scale	<ul style="list-style-type: none"> •Too much calcium dissolved in water pH and total alkalinity too high 	<ul style="list-style-type: none"> •Add a scale control product. Adjust total alkalinity and pH levels by adding the appropriate sodium bisulfate product; for concentrated scale deposits - drain spa, scrub the scale off, refill the spa and balance the water.
Erratic pH Test Results/Unusual pH Test Color	<ul style="list-style-type: none"> •Sanitizer level too high •Old pH indicator dye 	<ul style="list-style-type: none"> •Test the pH, when the sanitizer level is below 5 ppm. •Replace the pH indicator dye.
Sanitizer Dissipating Too Rapidly	<ul style="list-style-type: none"> •Excessive organics in water •Temperature too high •Low pH •Low pH Corrosion of Metal Fixtures •Low calcium hardness •Low total alkalinity 	<ul style="list-style-type: none"> •Increase shock dosage; add sanitizer; shower before entering spa. •Reduce temperature. •Raise pH with sodium bicarbonate product. •Use chelating agent if metals are present. Keep proper pH level (7.2 to 7.6). •Use chelating agent if metals are present. Maintain minimum 150-200 ppm calcium hardness. •Use chelating agent if metals are present. Maintain proper alkalinity for type of sanitizer used.

Note: If your source water has a high metal or mineral content, a specialty chemical should be used to avoid staining or accumulation of deposits.

These guidelines cover the most common water problems when operating a spa with ozone. Contact your dealer for further information regarding chemical control issues.

Common Hardware Problems

PROBLEM	USUAL CAUSE	SOLUTION
System not operating.	<ul style="list-style-type: none"> •House circuit breaker tripped or in OFF position. 	<ul style="list-style-type: none"> •Reset circuit breaker on house breaker panel.
Heater not operating	<ul style="list-style-type: none"> •Water level too low. •Heater mode not selected. •No power to heater. •Heater not operating. 	<ul style="list-style-type: none"> •Add water to reach fill line on Weir door. •Refer to temperature/heater functioning. See Control instructions pgs. 9. •Check house circuit breaker. •Contact dealer.
Water not clean.	<ul style="list-style-type: none"> •Clogged or blocked floor suction or skimmer. •Filter clogged (dirty). •Poor water chemistry. •Insufficient filtering time. •Improper maintenance. •High content of solids in water. 	<ul style="list-style-type: none"> •Clean floor suction/skimmer. Remove blockage. •Clean or replace. •See Maintenance section, pg. 16. •Run filtration mode longer. •Contact dealer. •See Maintenance section, pg. 16. •Use clarifier or drain and refill spa.
Abnormal water usage.	<ul style="list-style-type: none"> •Excessive evaporation and/or splashing. 	<ul style="list-style-type: none"> •Use spa cover and refill as necessary.
Overheating	<ul style="list-style-type: none"> •High ambient temperature 	<ul style="list-style-type: none"> •Contact dealer.
Low water flow from jets.	<ul style="list-style-type: none"> •Operating in FILTER mode-low speed. •Clogged or blocked suction or skimmer. •Dirty filter. •Jets in OFF position. •Slice valves closed. 	<ul style="list-style-type: none"> •Select hi-speed jets. •Clean floor suction/skimmer. Remove blockage. •Clean or replace. •Open jets. •Open slice valves.
No water flow from jets.	<ul style="list-style-type: none"> •Pump not primed. •Adjustable jets turned off. •House circuit breaker tripped, no power to system. •Faulty pump or motor. •Pump surges. •Slice valves closed. 	<ul style="list-style-type: none"> •See Priming section, page 8. •Turn on jets. •Reset circuit breaker at house panel. •Contact dealer. •Low water. Check level on Weir door. •Open slice valves.

Common Hardware Problems

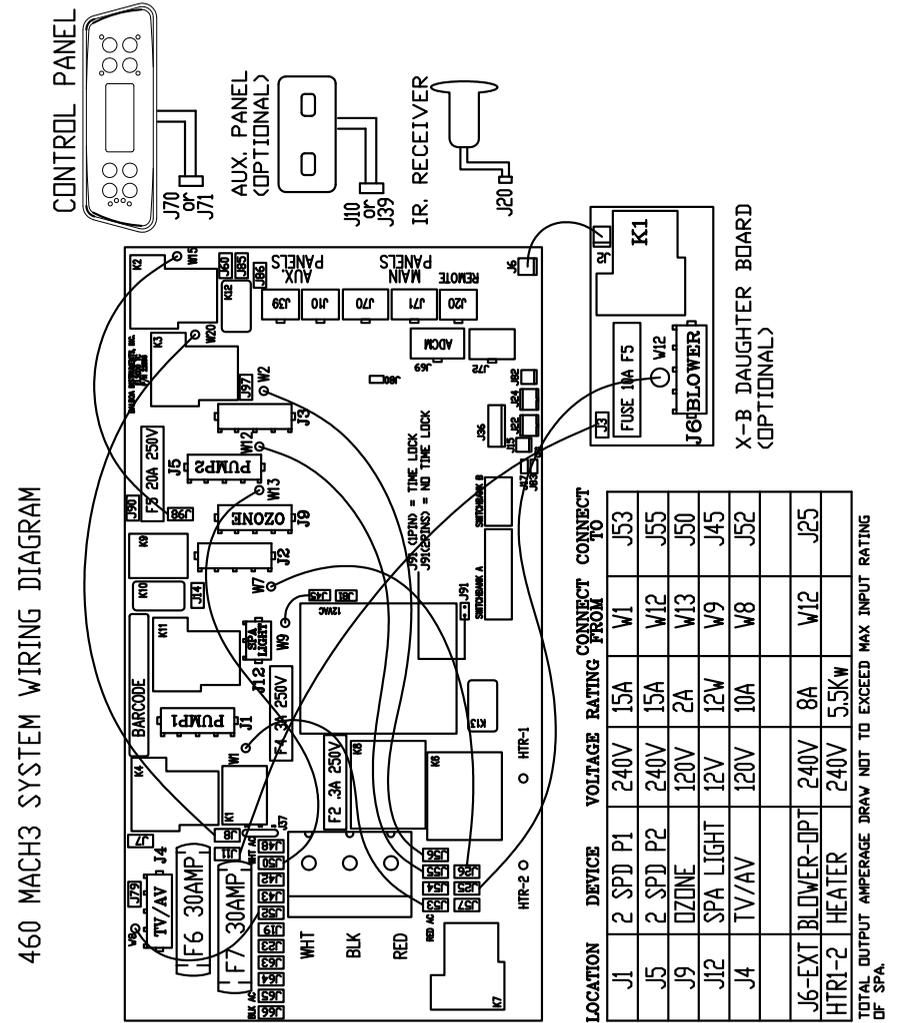
PROBLEM	USUAL CAUSE	SOLUTION
Noisy pump and motor.	<ul style="list-style-type: none"> •Clogged floor suction or skimmer. •Low water level. •Damaged or worn motor bearings. 	<ul style="list-style-type: none"> •Clean floor suction/skimmer. •Add water to normal water level (6" below lip). •Contact dealer.
Water leakage from under spa.	<ul style="list-style-type: none"> •Check unions & drain hoses. 	<ul style="list-style-type: none"> •Close or tighten as necessary.
No air flow from jets.	<ul style="list-style-type: none"> •Air control not open. •Jet nozzle not seated properly. •Jet nozzle missing. 	<ul style="list-style-type: none"> •Open control. •Check jet nozzles. •Inspect jets and replace as needed.
Motor will not operate.	<ul style="list-style-type: none"> •House circuit breaker tripped or in OFF position. •Improper or defective wiring or electrical supply. •Thermal Overload Protection switch tripped. 	<ul style="list-style-type: none"> •Reset circuit breaker •Contact dealer. •Auto reset after motor has cooled. Contact dealer if motor continues to cycle.
The spa will not shut off	<ul style="list-style-type: none"> •Spa trying to heat •Spa is in filter cycle •Spa is in standard Mode. 	<ul style="list-style-type: none"> •Check "Set Temperature" in Standard mode •Normal. No need to change. •Check mode setting.

Spa Soaking Guidelines

- Persons with heart disease, diabetes, blood pressure or circulatory abnormalities, a serious illness, or pregnant women should not enter a spa without prior consultation with their doctor.
- People with skin, ear, genital or other body infections, open sores, or wounds should not use the spa because of the possibility of spreading infection.
- Before entering, look at the water in your spa. If there is cloudiness, foaming, or if a strong chlorine smell is present, the water needs treatment. Properly maintained water will greatly reduce potential skin rash (pseudomonas). Ask your Authorized Coleman Spas® Dealer for guidance.
- Shower with soap and water before and after using the spa. Showering before use removes many common skin bacteria, perspiration, lotions, deodorants, creams, etc. that may reduce the effectiveness of the sanitizer and lessen the ability of the filter to work efficiently. Showering after use will help reduce skin irritation that may result from contact with spa chemicals.
- Enter the spa slowly and cautiously. Be careful of your footing, and allow your body to gradually adjust to the water temperature. Exit slowly to accommodate relaxed leg muscles and possible lightheadedness.
- Soaking for too long may cause some users to feel nauseous, dizzy, or lightheaded. If you wish to soak in high temperature water (104°F or 40°C), leave the spa after 15 minutes, shower, cool down and then return for another brief stay. In lower temperatures (e.g. 98.6°F—normal body temperature) most people can comfortably and safely soak for longer periods at one sitting. If you have any questions about what's right for you, your family, or other guests, consult your doctor.
- Be sure you check the water temperature before entering, and while using the spa.

- Never use the spa while under the influence of alcohol.
- Consult your doctor about potential harmful effects of using drugs or medications while hot water soaking.
- Never use the spa when you are alone.
- Never allow children or elderly adults to use the spa unsupervised.

460 Series System Wiring Diagram - Models 705 & 706



NOTE:
A2, A3, and A4 work in combination, i.e. A2 and A3 in the ON position and A4 in the OFF position will allow 3 high-speed pumps to run with the heater. Switchbank B is disabled in this configuration. Unused DIP Switches in Switchbank A are also disabled. CFG Jumper C63 must be in both pins.

'A' DIP SWITCH SETTINGS

OFF	ON	MODE	1	2	3	4	5	6	7	8	9	10	11	12
NO	YES	TEST MODE												
REMOVE	ADD	ADD ON 3 High-speed pumps by High-speed												
REMOVE	ADD	ADD ON 3 High-speed pumps by High-speed												
REMOVE	ADD	ADD ON 3 High-speed pumps by High-speed												
N/A	N/A	N/A												
N/A	N/A	N/A												
N/A	N/A	N/A												
N/A	N/A	N/A												
N/A	N/A	N/A												
N/A	N/A	N/A												
N/A	N/A	N/A												
N/A	N/A	N/A												
N/A	N/A	N/A												

ALL UNUSED SWITCHES SHOULD BE OFF

'B' DIP SWITCH SETTINGS

OFF	ON	MODE	1	2	3	4	5	6
N/A	N/A	N/A						
N/A	N/A	N/A						
N/A	N/A	N/A						
N/A	N/A	N/A						
N/A	N/A	N/A						
N/A	N/A	N/A						

ALL UNUSED SWITCHES SHOULD BE OFF.

